

PROJECT DESCRIPTION

I. GENERAL

This portion of the project involves the modification of the existing traffic signal at the intersection of MD 133 and Stevensons Road in Baltimore County Maryland. MD 133 runs in a North-South direction.

II. INTERSECTION OPERATION

The proposed traffic signal will operate in a NEMA three (3) phase, fully traffic actuated mode with northbound and southbound approaches operating concurrently. The westbound approaches will operate separately.

The existing eight phase fully traffic actuated controller will remain. New wiring will be brought into the cabinet.

III. SPECIAL NOTES

- It is the responsibility of the contractor to confirm geometrics prior to placing signal equipment.
- The signal shop will be notified to perform internal wiring of the cabinet at MD 133 @ Stenenson Road. All cable shall be identified and brought into the controller by the contractor. The contractor shall notify Mr. Edward Rodenhizer, SHA Signal Shop at (410) 787-7650 seventy-two (72) hours in advance of this work.
- The Maryland State Highway Administration District #4 will be given at least seven (7) days notice to perform striping through the intersection area. Contact Mr. Randall Scott at (410) 321-2781 to initiate this operation.
- MOT Plates for this project will be as follows: 104.00 to 104.00-12, 104.01-01, 104.02-01, 104.03-01, 104.75
- Upon completion of this project the contractor shall notify Mr. Robert Snyder of SHA at 410-787-7635 to arrange for the phone line installation. The contractor is to provide Mr. Snyder with the nearest street address, zip code, and phone.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR:

CATAGORY CODE	SPEC. #	QUANTITY	DESCRIPTION
900000	813	42 S.F.	SHEET ALUMINUM SIGNS
			- 2 EA R3-5L SIGN 30"x36"
			- 1 EA R10-7(2) SIGN 24"x30"
			- 1 EA D3-2 SIGN 96"x32" (SINGLE FACED)

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR:

CATAGORY CODE	SPEC. #	QUANTITY	DESCRIPTION
585624	SP-555	110 LF	FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED PAVEMENT MARKING TAPE
861104	810	100 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2 - (ALUMINUM SHIELDED)
861107	810	30 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5 - CONDUCTOR NO.14 AWG
861108	810	275 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7 - CONDUCTOR #14 AWG
862101	810	1300 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXABLE TUBING NO.14 AWG
800000	810	2 EA	INSTALL MICROLOOP PROBE SET - 500 FT LEAD IN
862102	815	415 LF	FURNISH AND INSTALL SAWCUT (FOR SIGNAL LOOP DETECTORS)
805160	805	10 LF	FURNISH AND INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
805011	805	30 LF	FURNISH AND INSTALL 1" ELECTRICAL CONDUIT (GALVANIZED SLEEVE)
813015	813	42 SF	INSTALL OVERHEAD MOUNTED SIGNS
860272	814	6 EA.	FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION (BLACK FACED)
800000	818	1 EA.	FURNISH AND INSTALL 50 FT. MAST ARM POLE ON EXISTING SIGNAL POLE
800000	L.S.		REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT (STEEL SPAN WIRE, SIGNAL HEADS).

NOTE: ALL EQUIPMENT AND MATERIAL NOT LISTED ABOVE WILL BECOME THE PROPERTY OF THE CONTRACTOR.

THE FOLLOWING CONTACT PERSONS FOR DISTRICT # 4 ARE AS FOLLOWS:

Mr. David Malkowski
District Engineer
Phone: (410) 787-7630

Mr. Joseph McMahon
Acting Engineer-Utility
Phone: (410) 321-2841

Mr. Randall Scott
Assistant District Engineer-Traffic
Phone: (410) 321-2781

Mr. Dave Ramsey
Asst. District Engineer - Maintenance
Phone: (410) 321-2761

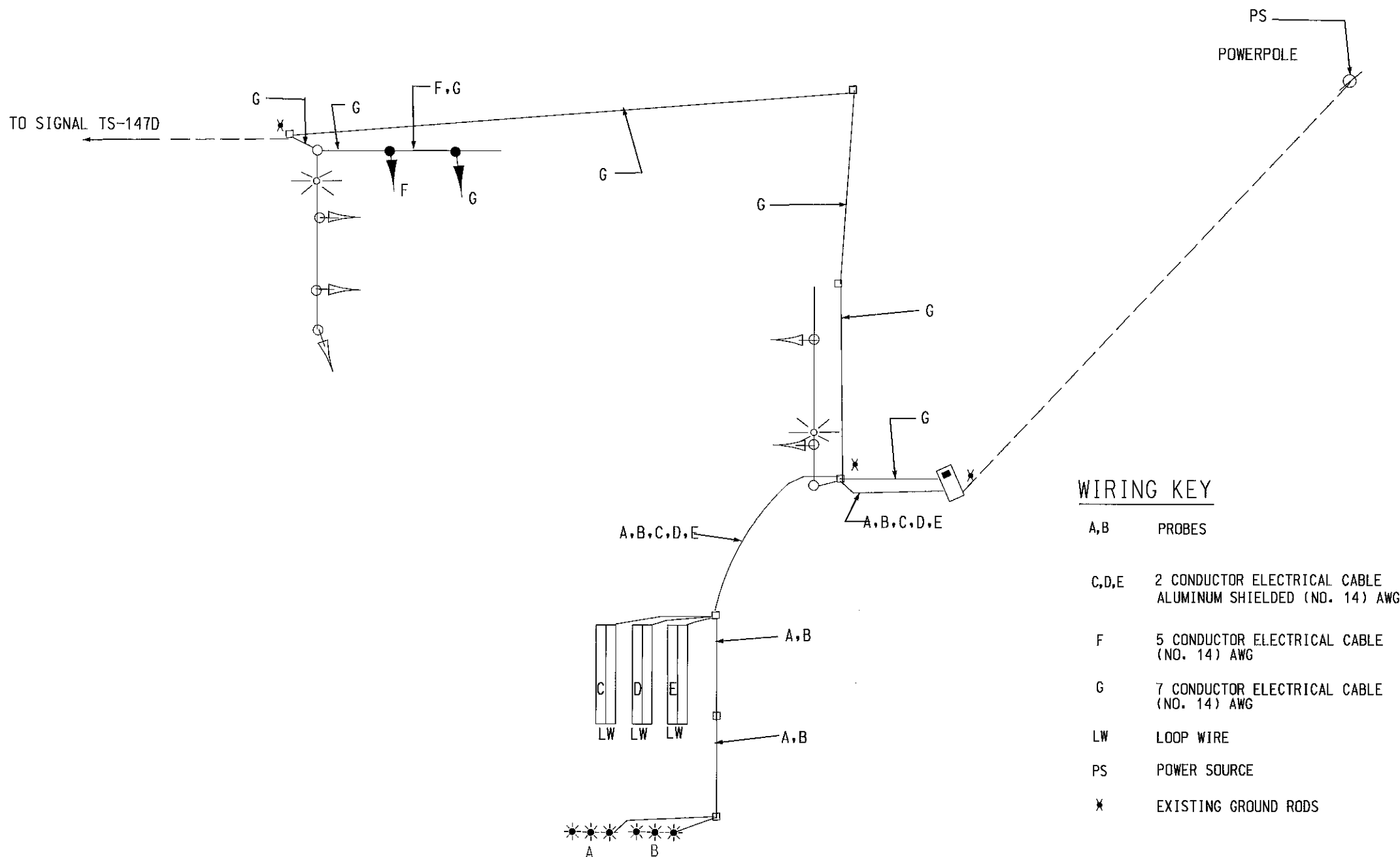
Mr. Richard L. Daff
Chief Traffic Operations Division
Phone: (410) 787-7630

The Power Company Representative is:

BALTIMORE GAS LAND ELECTRIC COMPANY

7313 PARKWAY DRIVE SOUTH
BALTIMORE MARYLAND, 21076
(410) 859-9030

WIRING DIAGRAM



1	2	3	4	5	6	7
R	R	R	R	R	R	R
Y	Y	Y	Y	Y	Y	Y
G	G	G	G	G	G	G

PHASE CHART

PHASE 2 & 6	G	G	G	G	R	R	R	←
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	→
PHASE 4	R	R	R	R	G	G	G	↑
PHASE 4 CHANGE	R	R	R	R	Y	Y	Y	↓
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	←



REVISIONS		APPROVALS	
01/2001 REMOVE TEMPORARY SIGNAL W/ SPAN WIRE. ADD NEW MAST ARM TO EX. SIGNAL POLE W/ SIGNALS, SIGNS, VIDEO CAMERA. C. MUNZ		11AM LEADERSHIP TRAFFIC ENGINEERING DESIGN DIVISION	
01/2001 RECONSTRUCT SIGNAL DUE TO GEOMETRIC CHANGES. TEMPORARY SIGNAL W/ SPAN WIRE C. MUNZ		ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
01/2001 ADD NEARSIDE SIGNAL HEAD FOR MD 133 K.L.W.		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
D.D.		B.C.K.	
DIRECTOR, TRAFFIC & SAFETY			
MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION MD 133 (OLD COURT ROAD) & STEVENSON ROAD GENERAL INFORMATION			
DRAWN BY: LT JB		F.A.P. NO.	
CHECKED BY: N.T.S.		S.H.A. NO.	
SCALE: 12-22-72		COUNTY: BALTIMORE	
DATE:		LOG MILE: 03013300-07	
TS. NO. TS-153D		SHEET NO. 17 OF 22	
T.I.M.S. NO.			